FIG. 22

TTCCATCATC AATAATATAC CTTATTTTGG ATTGAAGCCA ATATGATAAT GAGGGGGTGG 60
AGTTTGTGAC GTGGCGCGGG GCGTGGGAAC GGGGCGGGTG ACGTAGTAGT GTGGCGGAAG 120
TGTGATGTTG CAAGTGTGGC GGAACACATG TAAGCGACGG ATGTGGCAAA AGTGACGTTT 180
TTGGTGTGCG CCGGTGTACA CAGGAAGTGA CAATTTTCGC GCGGTTTTAG GCGGATGTTG 240
TAGTAAATTT GGGCGTAACC GAGTAAGATT TGGCCATTTT CGCGGGAAAA CTGAATAAGA 300
GGAAGTGAAA TCTGAATAAT TTTGTGTTAC TCATAGCGCG TAATATTTGT CTAGGGCCTT 360
GCGGCCGCAA GTTGACATTG ATTATTGACT AGTTATTAAT AGTAATCAAT TACGGGGTCA 420
TTAGTTCATA GCCCATATAT GGAGTTCCGA GTTACATAAC TTACGGTAAA TGGCCCGCCT 480
GGCTGACCGC CCAACGACCC CCGCCCATTG ACGTCAATAA TGACGTATGT TCCCATAGTA 540
ACGCGAATAG GGACTTTCCA TTGACGTCAA TGGGTGGAGT ATTTACGGTA AACTGCCCAC 600
TTGGCAGTAC ATCAAGTGTA TCATATGCCA AGTACGCCCC CTATTGACGT CAATGACGGT 660
AAATGGCCCG CCTGGCATTA TGCCCAGTAC ATGACCTTAT GGGACTTTCC TACTTGGCAG 720
TACATCTACG TATTAGTCAT CGCTATTACC ATGGTGATGC GGTTTTGGCA GTACATCAAT 780
GGGCGTGGAT AGCGGTTTGA CTCACGGGGA TTTCCAAGTC TCCACCCCAT TGACGTCAAT 840
GGGAGTTTGT TTTGGCACCA AAATCAACGG GACTTTCCAA AATGTCGTAA CAACTCCGCC 900
CCATTGACGC AAATGGGCGG TAGGCGTGTA CGGTGGGAGG TCTATATAAG CAGAGCTCGC 960
CCGGGGATCC TCTAGAATTC GCTGTCTGCG AGGGCCAGCT GTTGGGGTGA GTACTCCCTC 1020
TCAAAAGCGG GCATGACTTC TGCGCTAAGA TTGTCAGTTT CCAAAAACGA GGAGGATTTG 1080
ATATTCACCT GGCCCGCGGT GATGCCTTTG AGGGTGGCCG CGTCCATCTG GTCAGAAAAG 1140
ACAATCTTTT TGTTGTCAAA AGCGCTTGAG GTGTGGCAGG CTTGAGATCT GGCCATACAC 1200
TTGAGTGACA ATGACATCCA CTTTGCCTTT CTCTCCACAG GTGTCCACTC CCAGGTCCAA 1260
CTGCAGCCCC CAAGCTTGGG AATTCTCTCG GAAACGATGA AATATACAAG TTATATCTTG 1320
GCTTTTCAGC TCTGCATCGT TTTGGGTTCT CTTGGCTGTT ACTGCCAGGA CCCATATGTA 1380
AAAGAAGCAG AAAACCTTAA GAAATATTTT AATGCAGGTC ATTCAGATGT AGCGGATAAT 1440
GGAACTCTTT TCTTAGGCAT TTTGAAGAAT TGGAAAGAGG AGAGTGACAG AAAAATAATG 1500
CAGAGCCAAA TTGTCTCCTT TTACTTCAAA CTTTTTAAAA ACTTTAAAGA TGACCAGAGC 1560
ATCCAAAAGA GTGTGGAGAC CATCAAGGAA GACATGAATG TCAAGTTTTT CAATAGCAAC 1620
AAAAAGAAAC GAGATGACTT CGAAAAGCTG ACTAATTATT CGGTAACTGA CTTGAATGTC 1680
CAACGCAAAG CAATACATGA ACTCATCCAA GTGATGGCTG AACTGTCGCC AGCAGCTAAA 1740
ACAGGGAAGC GAAAAAGGAG TCAGATGCTG TTTCAAGGTC GAAGAGCATC CCAGTAATGG 1800
TTGTCCTGCG GATCCCTGGC AGTGGCGCAT AGCGATGCGC GGCAGAACCC CTTTGATTTT 1860
TAAACGGCGC AGACGGCAAG GGTGGGGGGT AAATAATCAC CCGAGAGTGT ACAAATAAAA 1920
ACATTTGCCT TTATTGAAAG TGTCTCCTAG TACATTATTT TTACATGTTT TTCAAGTGAC 1980
AAAAAGAAGT GGCGCTCCTA ATCTGCGCAC TGTGGCTGCG GGAGCTCTAG AGTCGACGGT 2040
ATCGCCCGAC ATCACCTGTG TCTATGGCCA CTGCCTTGGC TCACAAGTAC CACTAAACCC 2100
CCTTTCCTGC TCTTGCCTGT GAACAATGGT TAATTGTTCC CAAGAGAGCA TCTGTCAGTT 2160
GTTGGCAAAA TGATAGACAT TTGAAAATCT GTCTTCTGAC AAATAAAAAG CATTTATGTT 2220
CACTGCAATG ATGTTTTAAA TTATTTGTCT GTGTCATAGA AGGGTTTATG CTAAGTTTTC 2280
AAGATACAAA GAAGTGAGGC TTCAGGTCTG ACCTTGGGGA AATAAATGAA TTACACTTCA 2340
AATTGTGTTG TCAGCTAAGC AGCAGTAGCC ACAGTCTAGC TGAGGGTAAC TCCAGGGTGC 2400
GCCACAATGT GGCCTCCGAC TGTGGTTGCT TCATGCTAGT GAAAAGCGTG GCTGTGATTA 2460
AGCATAACAT GGTATGTGGC AACTGCGAGG ACAGGGCCTC TCAGATGCTG ACCTGCTCGG 2520
ACGGCAACTG TCACCTGCTG AAGACCATTC ACGTAGCCAG CCACTCTCGC AAGGCCTGGC 2580
CAGTGTTTGA GCATAACATA CTGACCCGCT GTTCCTTGCA TTTGGGTAAC AGGAGGGGGG 2640
TGTTCCTACC TTACCAATGC AATTTGAGTC ACACTAAGAT ATTGCTTGAG CCCGAGAGCA 2700
TGTCCAAGGT GAACCTGAAC GGGGTGTTTG ACATGACCAT GAAGATCTGG AAGGTGCTGA 2760
GGTACGATGA GACCCGCACC AGGTGCAGAC CCTGCGAGTG TGGCGGTAAA CATATTAGGA 2820
ACCAGCCTGT GATGCTGGAT GTGACCGAGG AGCTGAGGCC CGATCACTTG GTGCTGGCCT 2880
GCACCCGCGC TGAGTTTGGC TCTAGCGATG AAGATACAGA TTGAGGTACT GAAATGTGTG 2940

FIG. 22 (continued)

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GGCGTGGCTT AAGGGTGGGA AAGAATATAT AAGGTGGGGG TCTTATGTAG TTTTGTATCT   3000
GTTTTGCAGC AGCCGCCGCC GCCATGAGCA CCAACTCGTT TGATGGAAGC ATTGTGAGCT   3060
CATATTTGAC AACGCGCATG CCCCCATGGG CCGGGGTGCG TCAGAATGTG ATGGGCTCCA   3120
GCATTGATGG TCGCCCCGTC CTGCCCGCAA ACTCTACTAC CTTGACCTAC GAGACCGTGT   3180
CTGGAACGCC GTTGGAGACT GCAGCCTCCG CCGCCGCTTC AGCCGCTGCA GCCACCGCCC   3240
GCGGGATTGT GACTGACTTT GCTTTCCTGA GCCCGCTTGC AAGCAGTGCA GCTTCCCGTT   3300
CATCCGCCCG CGATGACAAG TTGACGGCTC TTTTGGCACA ATTGGATTCT TTGACCCGGG   3360
AACTTAATGT CGTTTCTCAG CAGCTGTTGG ATCTGCGCCA GCAGGTTTCT GCCCTGAAGG   3420
CTTCCTCCCC TCCCAATGCG GTTTAAAACA TAAATAAAAA ACCAGACTCT GTTTGGATTT   3480
GGATCAAGCA AGTGTCTTGC TGTCTTTATT TAGGGGTTTT GCGCGCGCGG TAGGCCCGGG   3540
ACCAGCGGTC TCGGTCGTTG AGGGTCCTGT GTATTTTTTC CAGGACGTGG TAAAGGTGAC   3600
TCTGGATGTT CAGATACATG GGCATAAGCC CGTCTCTGGG GTGGAGGTAG CACCACTGCA   3660
GAGCTTCATG CTGCGGGGTG GTGTTGTAGA TGATCCAGTC GTAGCAGGAG CGCTGGGCGT   3720
GGTGCCTAAA AATGTCTTTC AGTAGCAAGC TGATTGCCAG GGGCAGGCCC TTGGTGTAAG   3780
TGTTTACAAA GCGGTTAAGC TGGGATGGGT GCATACGTGG GGATATGAGA TGCATCTTGG   3840
ACTGTATTTT TAGGTTGGCT ATGTTCCCAG CCATATCCCT CCGGGGATTC ATGTTGTGCA   3900
GAACCACCAG CACAGTGTAT CCGGTGCACT TGGGAAATTT GTCATGTAGC TTAGAAGGAA   3960
ATGCGTGGAA GAACTTGGAG ACGCCCTTGT GACCTCCAAG ATTTTCCATG CATTCGTCCA   4020
TAATGATGGC AATGGGCCCA CGGGCGGCGG CCTGGGCGAA GATATTTCTG GGATCACTAA   4080
CGTCATAGTT GTGTTCCAGG ATGAGATCGT CATAGGCCAT TTTTACAAAG CGCGGGCGGA   4140
GGGTGCCAGA CTGCGGTATA ATGGTTCCAT CCGGCCCAGG GGCGTAGTTA CCCTCACAGA   4200
TTTGCATTTC CCACGCTTTG AGTTCAGATG GGGGGATCAT GTCTACCTGC GGGGCGATGA   4260
AGAAAACGGT TTCCGGGGTA GGGGAGATCA GCTGGGAAGA AAGCAGGTTC CTGAGCAGCT   4320
GCGACTTACC GCAGCCGGTG GGCCCGTAAA TCACACCTAT TACCGGGTGC AACTGGTAGT   4380
TAAGAGAGCT GCAGCTGCCG TCATCCCTGA GCAGGGGGGC CACTTCGTTA AGCATGTCCC   4440
TGACTCGCAT GTTTTCCCTG ACCAAATCCG CCAGAAGGCG CTCGCCGCCC AGCGATAGCA   4500
GTTCTTGCAA GGAAGCAAAG TTTTTCAACG GTTTGAGACC GTCCGCCGTA GGCATGCTTT   4560
TGAGCGTTTG ACCAAGCAGT TCCAGGCGGT CCCACAGCTC GGTCACCTGC TCTACGGCAT   4620
CTCGATCCAG CATATCTCCT CGTTTCGCGG GTTGGGGCGG CTTTCGCTGT ACGGCAGTAG   4680
TCGGTGCTCG TCCAGACGGG CCAGGGTCAT GTCTTTCCAC GGGCGCAGGG TCCTCGTCAG   4740
CGTAGTCTGG GTCACGGTGA AGGGGTGCGC TCCGGGCTGC GCGCTGGCCA GGGTGCGCTT   4800
GAGGCTGGTC CTGCTGGTGC TGAAGCGCTG CCGGTCTTCG CCCTGCGCGT CGGCCAGGTA   4860
GCATTTGACC ATGGTGTCAT AGTCCAGCCC CTCCGCGGCG TGGCCCTTGG CGCGCAGCTT   4920
GCCCTTGGAG GAGGCGCCGC ACGAGGGGCA GTGCAGACTT TTGAGGGCGT AGAGCTTGGG   4980
CGCGAGAAAT ACCGATTCCG GGGAGTAGGC ATCCGCGCCG CAGGCCCCGC AGACGGTCTC   5040
GCATTCCACG AGCCAGGTGA GCTCTGGCCG TTCGGGGTCA AAAACCAGGT TTCCCCCATG   5100
CTTTTTGATG CGTTTCTTAC CTCTGGTTTC CATGAGCCGG TGTCCACGCT CGGTGACGAA   5160
AAGGCTGTCC GTGTCCCCGT ATACAGACTT GAGAGGTCGA GCGATGCCCT TGAGAGCCTT   5220
CAACCCAGTC AGCTCCTTCC GGTGGGCGCG GGGCATGACT ATCGTCGCCG CACTTATGAC   5280
TGTCTTCTTT ATCATGCAAC TCGTAGGACA GGTGCCGGCA GCGCTCTGGG TCATTTTCGG   5340
CGAGGACCGC TTTCGCTGGA GCGCGACGAT GATCGGCCTG TCGCTTGCGG TATTCGGAAT   5400
CTTGCACGCC CTCGCTCAAG CCTTCGTCAC TGGTCCCGCC ACCAAACGTT TCGGCGAGAA   5460
GCAGGCCATT ATCGCCGGCA TGGCGGCCGA CGCGCTGGGC TACGTCTTGC TGGCGTTCGC   5520
GACGCGAGGC TGGATGGCCT TCCCCATTAT GATTCTTCTC GCTTCCGGCG GCATCGGGAT   5580
GCCCGCGTTG CAGGCCATGC TGTCCAGGCA GGTAGATGAC GACCATCAGG GACAGCTTCA   5640
AGGATCGCTC GCGGGTAAAA AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCCC   5700
TGACGAGCAT CACAAAAATC GACGCTCAAG TCAGAGGTGG CGAAACCCGA CAGGACTATA   5760
AAGATACCAG GCGTTTCCCC CTGGAAGCTC CCTCGTGCGC TCTCCTGTTC CGACCCTGCC   5820
GCTTACCGGA TACCTGTCCG CCTTTCTCCC TTCGGGAAGC GTGGCGCTTT CTCAATGCTC   5880
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FIG. 22 (continued)

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ACGCTGTAGG TATCTCAGTT CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA   5940
ACCCCCCGTT CAGCCCGACC GCTGCGCCTT ATCCGGTAAC TATCGTCTTG AGTCCAACCC   6000
GGTAAGACAC GACTTATCGC CACTGGCAGC AGCCACTGGT AACAGGATTA GCAGAGCGAG   6060
GTATGTAGGC GGTGCTACAG AGTTCTTGAA GTGGTGGCCT AACTACGGCT ACACTAGAAG   6120
GACAGTATTT GGTATCTGCG CTCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG   6180
CTCTTGATCC GGCAAACAAA CCACCGCTGG TAGCGGTGGT TTTTTTGTTT GCAAGCAGCA   6240
GATTACGCGC AGAAAAAAAG GATCTCAAGA AGATCCTTTG ATCTTTTCTA CGGGGTCTGA   6300
CGCTCAGTGG AACGAAAACT CACGTTAAGG GATTTTGGTC ATGAGATTAT CAAAAAGGAT   6360
CTTCACCTAG ATCCTTTTAA ATTAAAAATG AAGTTTTAAA TCAATCTAAA GTATATATGA   6420
GTAAACTTGG TCTGACAGTT ACCAATGCTT AATCAGTGAG GCACCTATCT CAGCGATCTG   6480
TCTATTTCGT TCATCCATAG TTGCCTGACT CCCCGTCGTG TAGATAACTA CGATACGGGA   6540
GGGCTTACCA TCTGGCCCCA GTGCTGCAAT GATACCGCGA GACCCACGCT CACCGGCTCC   6600
AGATTTATCA GCAATAAACC AGCCAGCCGG AAGGGCCGAG CGCAGAAGTG GTCCTGCAAC   6660
TTTATCCGCC TCCATCCAGT CTATTAATTG TTGCCGGGAA GCTAGAGTAA GTAGTTCGCC   6720
AGTTAATAGT TTGCGCAACG TTGTTGCCAT TGCTGCAGGC ATCGTGGTGT CACGCTCGTC   6780
GTTTGGTATG GCTTCATTCA GCTCCGGTTC CCAACGATCA AGGCGAGTTA CATGATCCCC   6840
CATGTTGTGC AAAAAAGCGG TTAGCTCCTT CGGTCCTCCG ATCGTTGTCA GAAGTAAGTT   6900
GGCCGCAGTG TTATCACTCA TGGTTATGGC AGCACTGCAT AATTCTCTTA CTGTCATGCC   6960
ATCCGTAAGA TGCTTTTCTG TGACTGGTGA GTACTCAACC AAGTCATTCT GAGAATAGTG   7020
TATGCGGCGA CCGAGTTGCT CTTGCCCGGC GTCAACACGG GATAATACCG CGCCACATAG   7080
CAGAACTTTA AAAGTGCTCA TCATTGGAAA ACGTTCTTCG GGGCGAAAAC TCTCAAGGAT   7140
CTTACCGCTG TTGAGATCCA GTTCGATGTA ACCCACTCGT GCACCCAACT GATCTTCAGC   7200
ATCTTTTACT TTCACCAGCG TTTCTGGGTG AGCAAAAACA GGAAGGCAAA ATGCCGCAAA   7260
AAAGGGAATA AGGGCGACAC GGAAATGTTG AATACTCATA CTCTTCCTTT TTCAATATTA   7320
TTGAAGCATT TATCAGGGTT ATTGTCTCAT GAGCGGATAC ATATTTGAAT GTATTTAGAA   7380
AAATAAACAA ATAGGGGTTC CGCGCACATT TCCCCGAAAA GTGCCACCTG ACGTCTAAGA   7440
AACCATTATT ATCATGACAT TAACCTATAA AAATAGGCGT ATCACGAGGC CCTTTCGTCT   7500
TCAAGAA (SEQ ID NO: 1)                                              7507
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FIG. 22

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TTCCATCATC AATAATATAC CTTATTTTGG ATTGAAGCCA ATATGATAAT GAGGGGGTGG     60
AGTTTGTGAC GTGGCGCGGG GCGTGGGAAC GGGGCGGGTG ACGTAGTAGT GTGGCGGAAG    120
TGTGATGTTG CAAGTGTGGC GGAACACATG TAAGCGACGG ATGTGGCAAA AGTGACGTTT    180
TTGGTGTGCG CCGGTGTACA CAGGAAGTGA CAATTTTCGC GCGGTTTTAG GCGGATGTTG    240
TAGTAAATTT GGGCGTAACC GAGTAAGATT TGGCCATTTT CGCGGGAAAA CTGAATAAGA    300
GGAAGTGAAA TCTGAATAAT TTTGTGTTAC TCATAGCGCG TAATATTTGT CTAGGGCCTT    360
GCGGCCGCAA GTTGACATTG ATTATTGACT AGTTATTAAT AGTAATCAAT TACGGGGTCA    420
TTAGTTCATA GCCCATATAT GGAGTTCCGA GTTACATAAC TTACGGTAAA TGGCCCGCCT    480
GGCTGACCGC CCAACGACCC CCGCCCATTG ACGTCAATAA TGACGTATGT TCCCATAGTA    540
ACGCGAATAG GGACTTTCCA TTGACGTCAA TGGGTGGAGT ATTTACGGTA AACTGCCCAC    600
TTGGCAGTAC ATCAAGTGTA TCATATGCCA AGTACGCCCC CTATTGACGT CAATGACGGT    660
AAATGGCCCG CCTGGCATTA TGCCCAGTAC ATGACCTTAT GGGACTTTCC TACTTGGCAG    720
TACATCTACG TATTAGTCAT CGCTATTACC ATGGTGATGC GGTTTTGGCA GTACATCAAT    780
GGGCGTGGAT AGCGGTTTGA CTCACGGGGA TTTCCAAGTC TCCACCCCAT TGACGTCAAT    840
GGGAGTTTGT TTTGGCACCA AAATCAACGG GACTTTCCAA AATGTCGTAA CAACTCCGCC    900
CCATTGACGC AAATGGGCGG TAGGCGTGTA CGGTGGGAGG TCTATATAAG CAGAGCTCGC    960
CCGGGGATCC TCTAGAATTC GCTGTCTGCG AGGGCCAGCT GTTGGGGTGA GTACTCCCTC   1020
TCAAAAGCGG GCATGACTTC TGCGCTAAGA TTGTCAGTTT CCAAAAACGA GGAGGATTTG   1080
ATATTCACCT GGCCCGCGGT GATGCCTTTG AGGGTGGCCG CGTCCATCTG GTCAGAAAAG   1140
ACAATCTTTT TGTTGTCAAA AGCGCTTGAG GTGTGGCAGG CTTGAGATCT GGCCATACAC   1200
TTGAGTGACA ATGACATCCA CTTTGCCTTT CTCTCCACAG GTGTCCACTC CCAGGTCCAA   1260
CTGCAGCCCC CAAGCTTGGG AATTCTCTCG GAAACGATGA AATATACAAG TTATATCTTG   1320
GCTTTTCAGC TCTGCATCGT TTTGGGTTCT CTTGGCTGTT ACTGCCAGGA CCCATATGTA   1380
AAAGAAGCAG AAAACCTTAA GAAATATTTT AATGCAGGTC ATTCAGATGT AGCGGATAAT   1440
GGAACTCTTT TCTTAGGCAT TTTGAAGAAT TGGAAAGAGG AGAGTGACAG AAAAATAATG   1500
CAGAGCCAAA TTGTCTCCTT TTACTTCAAA CTTTTTAAAA ACTTTAAAGA TGACCAGAGC   1560
ATCCAAAAGA GTGTGGAGAC CATCAAGGAA GACATGAATG TCAAGTTTTT CAATAGCAAC   1620
AAAAAGAAAC GAGATGACTT CGAAAAGCTG ACTAATTATT CGGTAACTGA CTTGAATGTC   1680
CAACGCAAAG CAATACATGA ACTCATCCAA GTGATGGCTG AACTGTCGCC AGCAGCTAAA   1740
ACAGGGAAGC GAAAAAGGAG TCAGATGCTG TTTCAAGGTC GAAGAGCATC CCAGTAATGG   1800
TTGTCCTGCG GATCCCTGGC AGTGGCGCAT AGCGATGCGC GGCAGAACCC CTTTGATTTT   1860
TAAACGGCGC AGACGGCAAG GGTGGGGGGT AAATAATCAC CCGAGAGTGT ACAAATAAAA   1920
ACATTTGCCT TTATTGAAAG TGTCTCCTAG TACATTATTT TTACATGTTT TTCAAGTGAC   1980
AAAAAGAAGT GGCGCTCCTA ATCTGCGCAC TGTGGCTGCG GGAGCTCTAG AGTCGACGGT   2040
ATCGCCCGAC ATCACCTGTG TCTATGGCCA CTGCCTTGGC TCACAAGTAC CACTAAACCC   2100
CCTTTCCTGC TCTTGCCTGT GAACAATGGT TAATTGTTCC CAAGAGAGCA TCTGTCAGTT   2160
GTTGGCAAAA TGATAGACAT TTGAAAATCT GTCTTCTGAC AAATAAAAAG CATTTATGTT   2220
CACTGCAATG ATGTTTTAAA TTATTTGTCT GTGTCATAGA AGGGTTTATG CTAAGTTTTC   2280
AAGATACAAA GAAGTGAGGC TTCAGGTCTG ACCTTGGGGA AATAAATGAA TTACACTTCA   2340
AATTGTGTTG TCAGCTAAGC AGCAGTAGCC ACAGTCTAGC TGAGGGTAAC TCCAGGGTGC   2400
GCCACAATGT GGCCTCCGAC TGTGGTTGCT TCATGCTAGT GAAAAGCGTG GCTGTGATTA   2460
AGCATAACAT GGTATGTGGC AACTGCGAGG ACAGGGCCTC TCAGATGCTG ACCTGCTCGG   2520
ACGGCAACTG TCACCTGCTG AAGACCATTC ACGTAGCCAG CCACTCTCGC AAGGCCTGGC   2580
CAGTGTTTGA GCATAACATA CTGACCCGCT GTTCCTTGCA TTTGGGTAAC AGGAGGGGGG   2640
TGTTCCTACC TTACCAATGC AATTTGAGTC ACACTAAGAT ATTGCTTGAG CCCGAGAGCA   2700
TGTCCAAGGT GAACCTGAAC GGGGTGTTTG ACATGACCAT GAAGATCTGG AAGGTGCTGA   2760
GGTACGATGA GACCCGCACC AGGTGCAGAC CCTGCGAGTG TGGCGGTAAA CATATTAGGA   2820
ACCAGCCTGT GATGCTGGAT GTGACCGAGG AGCTGAGGCC CGATCACTTG GTGCTGGCCT   2880
GCACCCGCGC TGAGTTTGGC TCTAGCGATG AAGATACAGA TTGAGGTACT GAAATGTGTG   2940
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FIG. 22 (continued)

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GGCGTGGCTT AAGGGTGGGA AAGAATATAT AAGGTGGGGG TCTTATGTAG TTTTGTATCT   3000
GTTTTGCAGC AGCCGCCGCC GCCATGAGCA CCAACTCGTT TGATGGAAGC ATTGTGAGCT   3060
CATATTTGAC AACGCGCATG CCCCCATGGG CCGGGGTGCG TCAGAATGTG ATGGGCTCCA   3120
GCATTGATGG TCGCCCCGTC CTGCCCGCAA ACTCTACTAC CTTGACCTAC GAGACCGTGT   3180
CTGGAACGCC GTTGGAGACT GCAGCCTCCG CCGCCGCTTC AGCCGCTGCA GCCACCGCCC   3240
GCGGGATTGT GACTGACTTT GCTTTCCTGA GCCCGCTTGC AAGCAGTGCA GCTTCCCGTT   3300
CATCCGCCCG CGATGACAAG TTGACGGCTC TTTTGGCACA ATTGGATTCT TTGACCCGGG   3360
AACTTAATGT CGTTTCTCAG CAGCTGTTGG ATCTGCGCCA GCAGGTTTCT GCCCTGAAGG   3420
CTTCCTCCCC TCCCAATGCG GTTTAAAACA TAAATAAAAA ACCAGACTCT GTTTGGATTT   3480
GGATCAAGCA AGTGTCTTGC TGTCTTTATT TAGGGGTTTT GCGCGCGCGG TAGGCCCGGG   3540
ACCAGCGGTC TCGGTCGTTG AGGGTCCTGT GTATTTTTTC CAGGACGTGG TAAAGGTGAC   3600
TCTGGATGTT CAGATACATG GGCATAAGCC CGTCTCTGGG GTGGAGGTAG CACCACTGCA   3660
GAGCTTCATG CTGCGGGGTG GTGTTGTAGA TGATCCAGTC GTAGCAGGAG CGCTGGGCGT   3720
GGTGCCTAAA AATGTCTTTC AGTAGCAAGC TGATTGCCAG GGGCAGGCCC TTGGTGTAAG   3780
TGTTTACAAA GCGGTTAAGC TGGGATGGGT GCATACGTGG GGATATGAGA TGCATCTTGG   3840
ACTGTATTTT TAGGTTGGCT ATGTTCCCAG CCATATCCCT CCGGGGATTC ATGTTGTGCA   3900
GAACCACCAG CACAGTGTAT CCGGTGCACT TGGGAAATTT GTCATGTAGC TTAGAAGGAA   3960
ATGCGTGGAA GAACTTGGAG ACGCCCTTGT GACCTCCAAG ATTTTCCATG CATTCGTCCA   4020
TAATGATGGC AATGGGCCCA CGGGCGGCGG CCTGGGCGAA GATATTTCTG GGATCACTAA   4080
CGTCATAGTT GTGTTCCAGG ATGAGATCGT CATAGGCCAT TTTTACAAAG CGCGGGCGGA   4140
GGGTGCCAGA CTGCGGTATA ATGGTTCCAT CCGGCCCAGG GGCGTAGTTA CCCTCACAGA   4200
TTTGCATTTC CCACGCTTTG AGTTCAGATG GGGGGATCAT GTCTACCTGC GGGGCGATGA   4260
AGAAAACGGT TTCCGGGGTA GGGGAGATCA GCTGGGAAGA AAGCAGGTTC CTGAGCAGCT   4320
GCGACTTACC GCAGCCGGTG GGCCCGTAAA TCACACCTAT TACCGGGTGC AACTGGTAGT   4380
TAAGAGAGCT GCAGCTGCCG TCATCCCTGA GCAGGGGGGC CACTTCGTTA AGCATGTCCC   4440
TGACTCGCAT GTTTTCCCTG ACCAAATCCG CCAGAAGGCG CTCGCCGCCC AGCGATAGCA   4500
GTTCTTGCAA GGAAGCAAAG TTTTTCAACG GTTTGAGACC GTCCGCCGTA GGCATGCTTT   4560
TGAGCGTTTG ACCAAGCAGT TCCAGGCGGT CCCACAGCTC GGTCACCTGC TCTACGGCAT   4620
CTCGATCCAG CATATCTCCT CGTTTCGCGG GTTGGGGCGG CTTTCGCTGT ACGGCAGTAG   4680
TCGGTGCTCG TCCAGACGGG CCAGGGTCAT GTCTTTCCAC GGGCGCAGGG TCCTCGTCAG   4740
CGTAGTCTGG GTCACGGTGA AGGGGTGCGC TCCGGGCTGC GCGCTGGCCA GGGTGCGCTT   4800
GAGGCTGGTC CTGCTGGTGC TGAAGCGCTG CCGGTCTTCG CCCTGCGCGT CGGCCAGGTA   4860
GCATTTGACC ATGGTGTCAT AGTCCAGCCC CTCCGCGGCG TGGCCCTTGG CGCGCAGCTT   4920
GCCCTTGGAG GAGGCGCCGC ACGAGGGGCA GTGCAGACTT TTGAGGGCGT AGAGCTTGGG   4980
CGCGAGAAAT ACCGATTCCG GGGAGTAGGC ATCCGCGCCG CAGGCCCCGC AGACGGTCTC   5040
GCATTCCACG AGCCAGGTGA GCTCTGGCCG TTCGGGGTCA AAAACCAGGT TTCCCCCATG   5100
CTTTTTGATG CGTTTCTTAC CTCTGGTTTC CATGAGCCGG TGTCCACGCT CGGTGACGAA   5160
AAGGCTGTCC GTGTCCCCGT ATACAGACTT GAGAGGTCGA GCGATGCCCT TGAGAGCCTT   5220
CAACCCAGTC AGCTCCTTCC GGTGGGCGCG GGGCATGACT ATCGTCGCCG CACTTATGAC   5280
TGTCTTCTTT ATCATGCAAC TCGTAGGACA GGTGCCGGCA GCGCTCTGGG TCATTTTCGG   5340
CGAGGACCGC TTTCGCTGGA GCGCGACGAT GATCGGCCTG TCGCTTGCGG TATTCGGAAT   5400
CTTGCACGCC CTCGCTCAAG CCTTCGTCAC TGGTCCCGCC ACCAAACGTT TCGGCGAGAA   5460
GCAGGCCATT ATCGCCGGCA TGGCGGCCGA CGCGCTGGGC TACGTCTTGC TGGCGTTCGC   5520
GACGCGAGGC TGGATGGCCT TCCCCATTAT GATTCTTCTC GCTTCCGGCG GCATCGGGAT   5580
GCCCGCGTTG CAGGCCATGC TGTCCAGGCA GGTAGATGAC GACCATCAGG GACAGCTTCA   5640
AGGATCGCTC GCGGGTAAAA AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCCC   5700
TGACGAGCAT CACAAAAATC GACGCTCAAG TCAGAGGTGG CGAAACCCGA CAGGACTATA   5760
AAGATACCAG GCGTTTCCCC CTGGAAGCTC CCTCGTGCGC TCTCCTGTTC CGACCCTGCC   5820
GCTTACCGGA TACCTGTCCG CCTTTCTCCC TTCGGGAAGC GTGGCGCTTT CTCAATGCTC   5880
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FIG. 22 (continued)

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ACGCTGTAGG TATCTCAGTT CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA   5940
ACCCCCCGTT CAGCCCGACC GCTGCGCCTT ATCCGGTAAC TATCGTCTTG AGTCCAACCC   6000
GGTAAGACAC GACTTATCGC CACTGGCAGC AGCCACTGGT AACAGGATTA GCAGAGCGAG   6060
GTATGTAGGC GGTGCTACAG AGTTCTTGAA GTGGTGGCCT AACTACGGCT ACACTAGAAG   6120
GACAGTATTT GGTATCTGCG CTCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG   6180
CTCTTGATCC GGCAAACAAA CCACCGCTGG TAGCGGTGGT TTTTTTGTTT GCAAGCAGCA   6240
GATTACGCGC AGAAAAAAAG GATCTCAAGA AGATCCTTTG ATCTTTTCTA CGGGGTCTGA   6300
CGCTCAGTGG AACGAAAACT CACGTTAAGG GATTTTGGTC ATGAGATTAT CAAAAAGGAT   6360
CTTCACCTAG ATCCTTTTAA ATTAAAAATG AAGTTTTAAA TCAATCTAAA GTATATATGA   6420
GTAAACTTGG TCTGACAGTT ACCAATGCTT AATCAGTGAG GCACCTATCT CAGCGATCTG   6480
TCTATTTCGT TCATCCATAG TTGCCTGACT CCCCGTCGTG TAGATAACTA CGATACGGGA   6540
GGGCTTACCA TCTGGCCCCA GTGCTGCAAT GATACCGCGA GACCCACGCT CACCGGCTCC   6600
AGATTTATCA GCAATAAACC AGCCAGCCGG AAGGGCCGAG CGCAGAAGTG GTCCTGCAAC   6660
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CAGAACTTTA AAAGTGCTCA TCATTGGAAA ACGTTCTTCG GGGCGAAAAC TCTCAAGGAT   7140
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AAAGGGAATA AGGGCGACAC GGAAATGTTG AATACTCATA CTCTTCCTTT TTCAATATTA   7320
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TCAAGAA (SEQ ID NO: 1)                                              7507
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